

FIG. 1

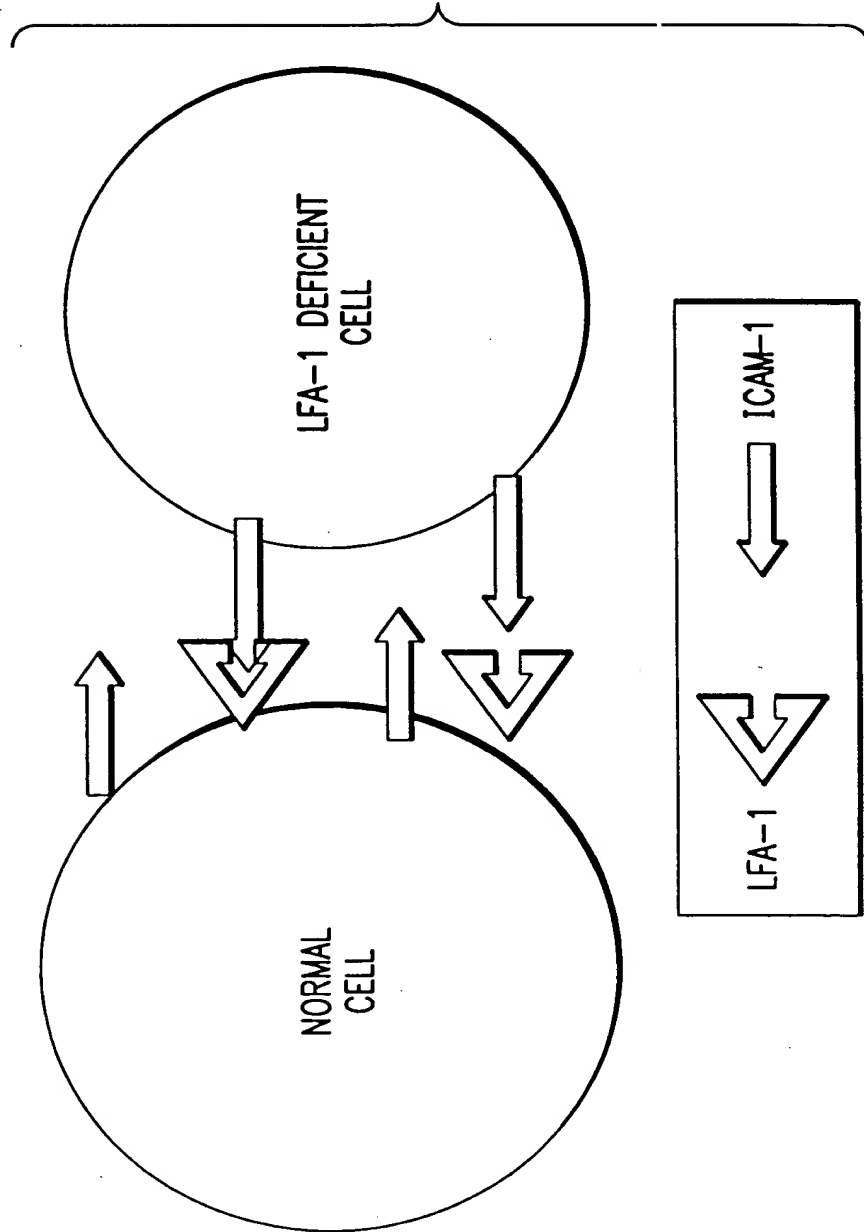
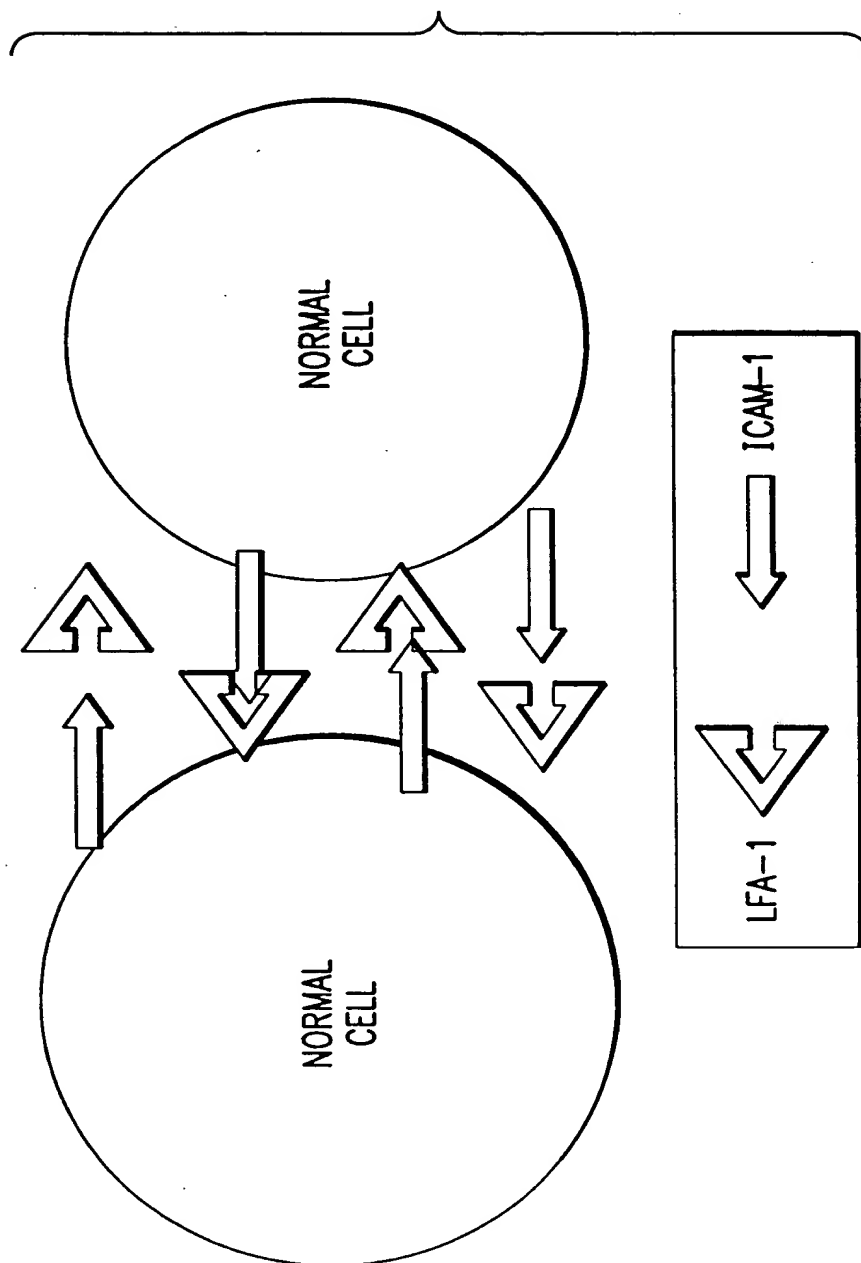


FIG. 2



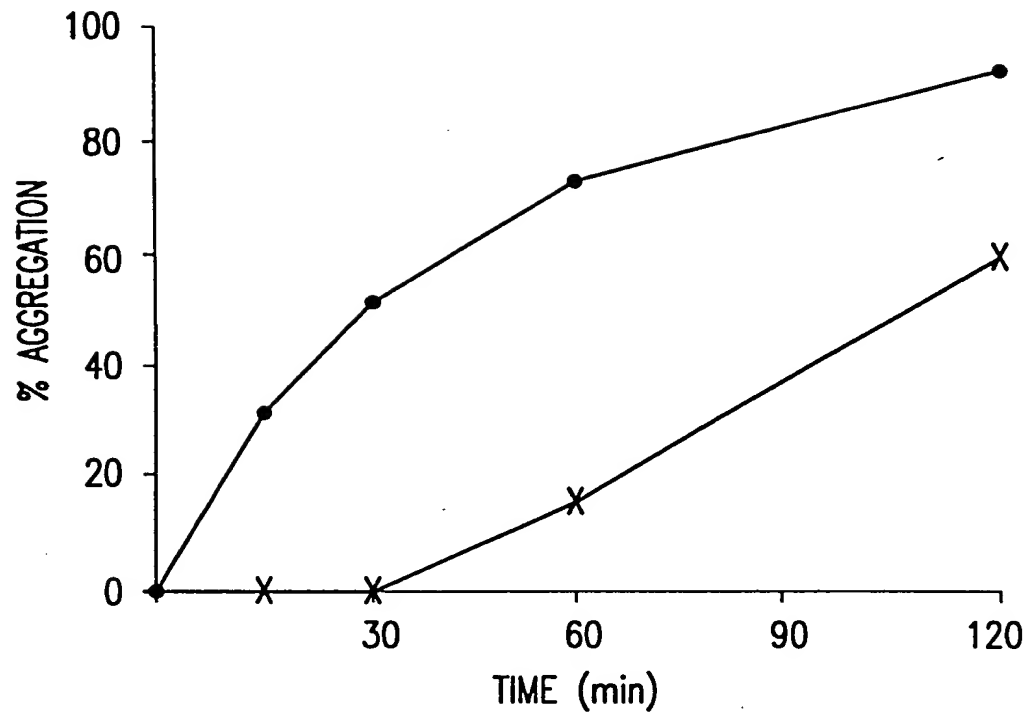


FIG.3

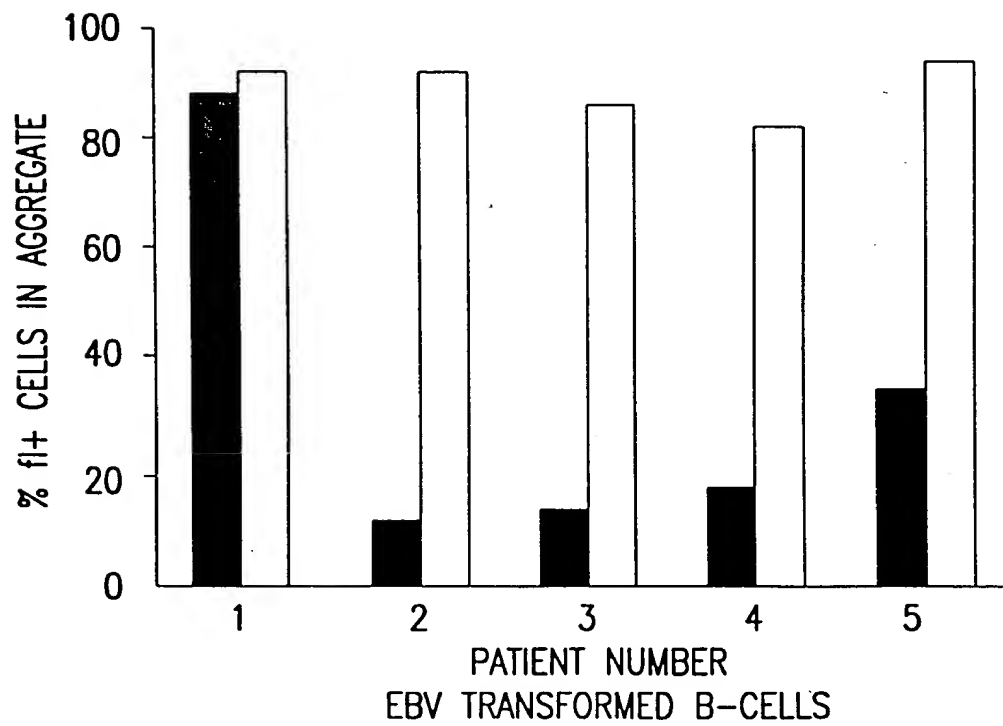


FIG.4

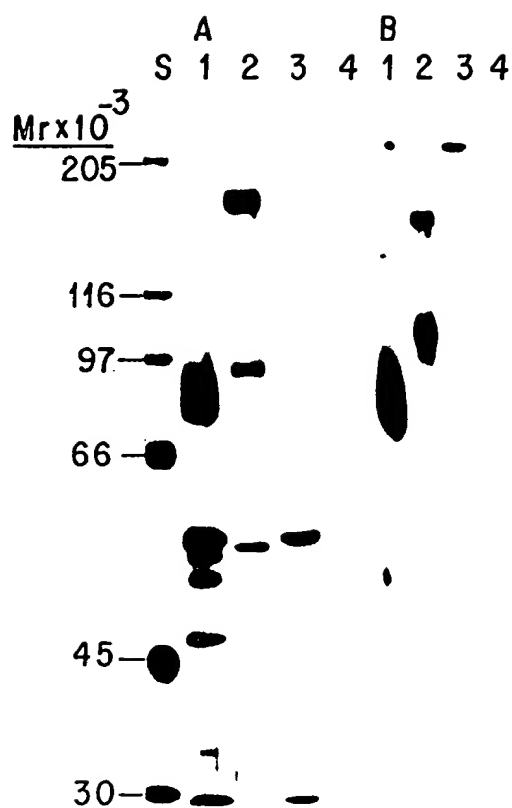


FIG. 5

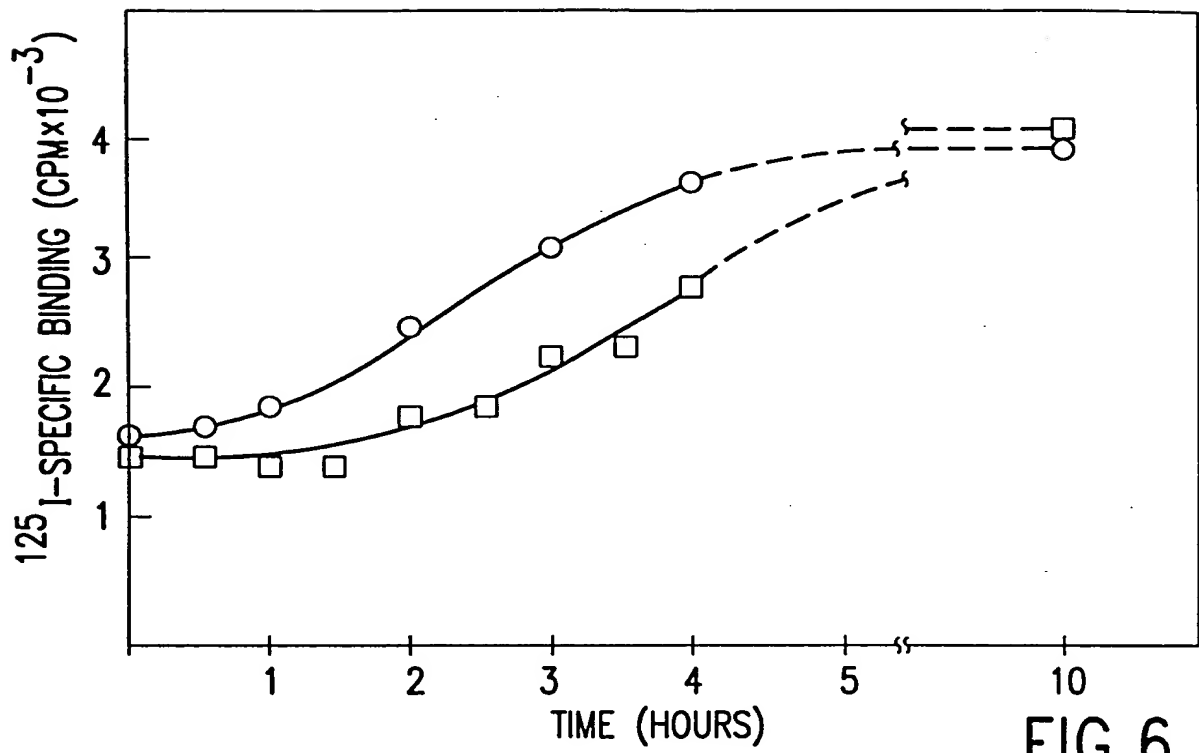


FIG.6

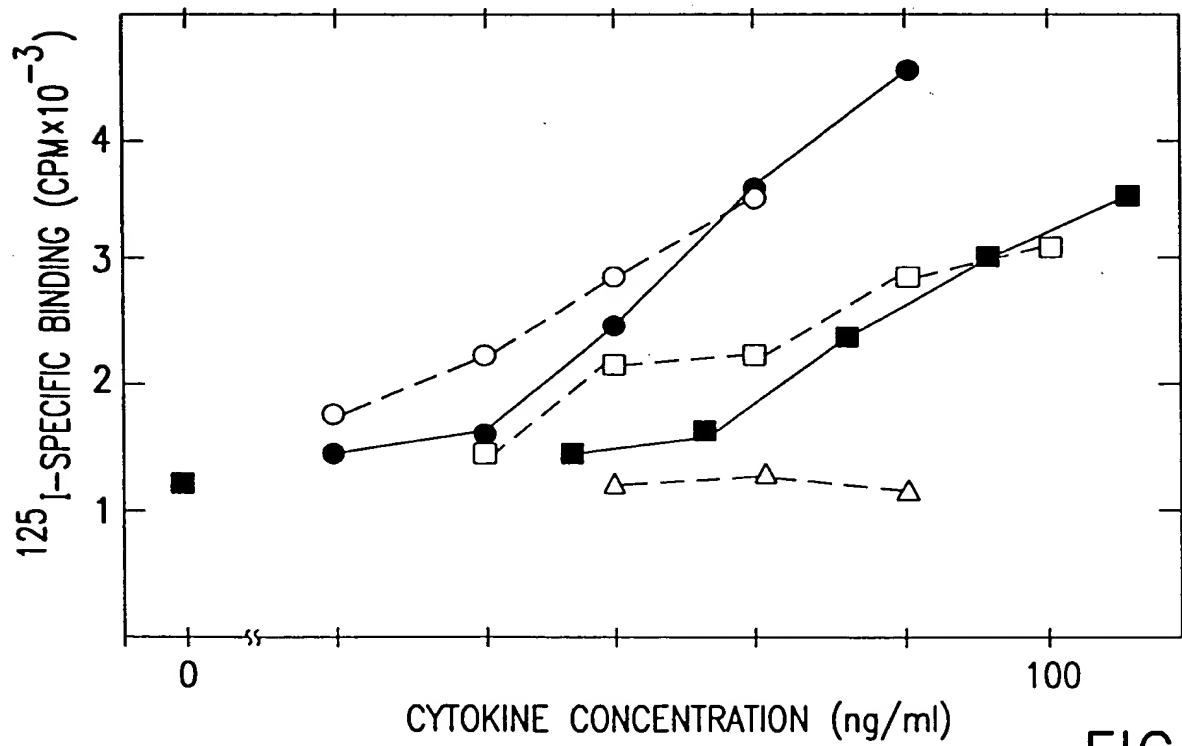


FIG.7

5' GGCCCCAGTGGAGCGTGAGCTCCTCTGCTACTCAGAGTTGCAACCTCAGCCTGGCT 57
 ATG GCT CCC AGC AGC CCC GCG CTC CTC CTC CTC CTC GGA CCT GGC AAT GCC CAG ACA TCT 147
 M A P S S P R P A L P A L L V L L G A L F P G P G N A Q T S 3
 GTG TCC CCC TCA AAA GTC ATC CTC CCC GCG GGA GGC TCC GTG CTG ACA TGC AGC ACC TCC TGT GAC CAG CCC AAG TTG TTG GGC ATA 237
 V S P S K V I L P R G G S V L V T C S T S C D Q P K L L G I 33
 GAG ACC CCG TTG CCT AAA AAG GAG TTG CTC CTC CCT GCG AAC CCG AAG GTG TAT GAA CTG AGC AAT GTG CAA GAA GAT AGC CAA CCA 327
 E T P L P K K E L L L P G N N R K V Y E L S N V Q E D S Q P 63
 ATG TGC TAT TCA AAC TGC CCT GAT GCG CAG TCA ACA GCT AAA ACC TTC CTC ACC GTG TAC TGG ACT CCA GAA CCG GTG GAA CTG GCA CCC 417
 M C Y S N C P D G Q S T A K T F L T V Y W T P E R V E L A P 93
 CTC CCC TCT TGG CAG CCA GTG GCG AAG AAC CTT ACC CTA CCG TGC CAG GTG GGT GCG GCA CCC CCG GCC AAC CTC ACC GTG GTG CTG 507
 L P S W Q P V G K N L T L R C Q V E G G A P R A N L T V V L 123
 CTC CGT GCG GAG AAG GAG CTG AAA CCG GAG CCA GCT GTG GCG GAG CCC GCT GAG CTC ACC ACC GTG CTG AGG AGA GAT CAC CAT 597
 L R G E K E L K R E P A V G E P A E V T T V L V R R D H H 153
 GGA GCC AAT TTC TCG TGC CCG ACT GAA CTG GAC CTG CCG CCC CAA GCG CTG GAG CTG TTT GAG AAC ACC TCG GCC CCC TAC CAG CTC CAG 687
 G A N F S C R T E L D L R P Q G L E L F E N T S A P Y Q L Q 183
 ACC TTT GTC CTG CCA GCG ACT CCC CCA CAA CTT GTC AGC CCC CCG GTC CTA GAG GTG GAC ACG GGG ACC GTG GTC TGT TCC CTG GAC 777
 T F V L P A T P P Q L V S P R V L E V D T Q G T V V C S L D 213

FIG.8A

CGG CTG TTC CCA GTC TCG GAG GCC CAG GTC CAC CTG CCA CTG GGG GAC CAG AGG TTG AAC CCC ACA GTC ACC TAT GGC AAC GAC TCC TTC 867
 G L F P V S E A Q V H L A L G D Q R L N P T V T Y G N D S F 243

 TCG GCC AAG GCC TCA GTC AGT GTG ACC GCA GAG GAC GAG GCC ACC CAG CGG CTG ACG TGT GCA GTA ATA CTG GGG AAC CAG AGC CAG GAG 957
 S A K A S V S V T A E D E G T Q R L T C A V I L G N Q S Q E 273

 ACA CTG CAG ACA GTC ACC ATC TAC AGC TTT CCG GCG CCC AAC GTC ATT CTG ACG AAC CCA GAG GTC TCA GAA GGG ACC GAG GTG ACA GTG 1047
 T L Q T V T I Y S F P A P N V I L T K P E V S E G T E V T V 303

 AAG TGT GAG GCC CAC CCT AGA GCC AAG GTC ACG CTG AAT GGG GTT CCA GCC CAG CCA CTG GGC CCG AGG GCC CAG CTC CTG CTG AAC GCC 1137
 K C E A H P R A K V T L N G V P A Q P L G P R A Q L L L K A 333

 ACC CCA GAG GAC AAC GGG GCG AGC TTC TCC TCG TCT GCA ACC CTG GAG GTG GCC GGC CAG CTT ATA CAC AAG AAC CAG ACC CGG GAG CTT 1227
 T P E D N G R S F S C S A T L E V A G Q L I H K N Q T R E L 363

 CGT GTC CTG TAT GGC CCC CCA CTG GAC GAG AGG GAT TGT CCG GCA AAC TGG ACG TGG CCA GAA AAT TCC CAG CAG ACT CCA ATG TCC CAG 1317
 R V L Y G P R L D E R D C P G N W T W P E N S Q Q T P M C Q 393

 CCT TGG GGG AAC CCA TTG CCC GAG CTC AAG TGT CTA AAG GAT GCC ACT TTC CCA CTG CCC ATC GGG GAA TCA GTG ACT GTC ACT CGA GAT 1407
 A W G N P L P E L K C L K D G T F P L P I G E S V T V T R D 423

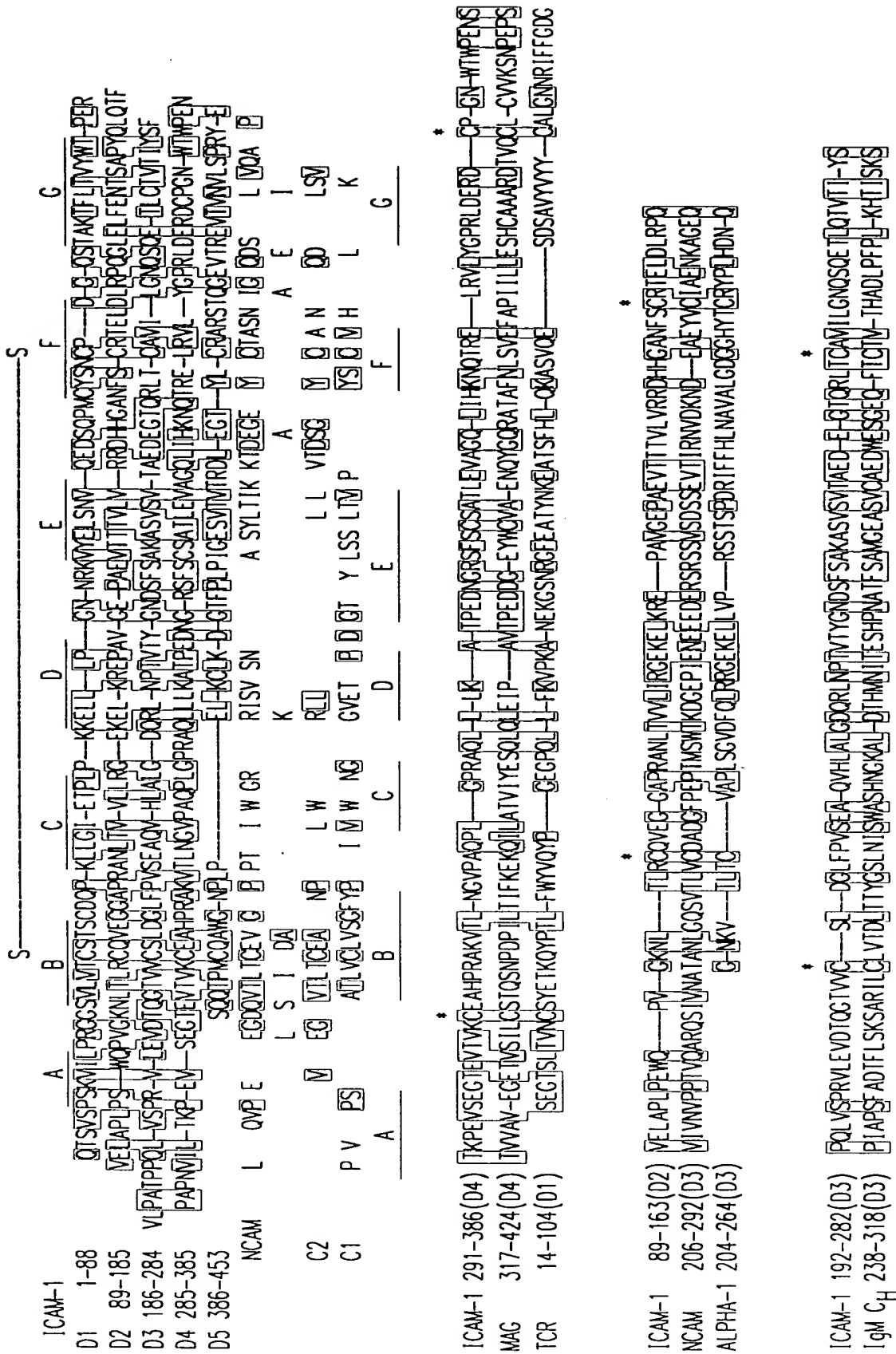
 CTT GAG GCG ACC TAC CTC TGT CCG GCC AGG ACC ACT CAA GCG GAG GTC ACC GTG AAT GTG CTC TCC CCC CGG TAT GAG 1497
 L E G T Y L C R A R S T Q G E V T R E V T V N V L S P R Y E 453

FIG.8B

ATT GTC ATC ATC ACT GTG GTA CCA GCC GCA GTC ATA ATG GGC ACT GCA GGC CTC AGC AGG TAC CTC TAT AAC CGC CAG CGG AAG ATC AAG 1587
I V I I T V V A A A V I M G T A G L S T Y L Y N R Q R K I K 483

AAA TAC AGA CTA CAA CAG GCC CAA AAA GGG ACC CCC ATG AAA CCG AAC ACA CAA GCC AGG CCT CCC TGA ACCTATCCGGCACAGGCCCTTCCCT 1683
K Y R L Q Q A Q K G T P M K P N T Q A T P P * 505

CGGCCTCCCATAATTGTTGGCAGTGGTCCACACTGAACAGAGTGGAAAGACATATGCCATGCAGGTACACCTACCGGCCCCTGGGACGGAGACAGGGCATTTGCTTCAGTCAGATA 1802
CAACAGCATTTGGGGCCATGGTACC TGACACACCTAAACACTAGGCCACGCATCTGATCTGTAGTCACATGACTAAGCCAAGAGGAAGCAGCAAGACTCAAGACATGATTGATGGATGT 1921
TAAAGTCTAGCCTGATGAGAGGGAAGTGGTGGGGAGACATAGCCCCACCATTAGGACATACAAC TGGGAAATACTGAAACTTGCTGCCATTTGGGTAIGCTAGGCCCCACAGACTTA 2040
CAGAAGAAGTGGCCCTCCATAGACATGTGTAGCATCAAACACAAAGCCCCACACTTCCTGACGATGCCAGCTTGGGCAC TGTCTACTGACCCCAACCCCTTGATGATGTATTT 2159
ATTCA TTGTTATTTACCAGCTATTTATTGAGTGTCTTTTAGTAGGCTAAATGAACATAGGTCTCTGGCTCAGCGAGCTCCAGTCCATGTCACATTCGAAGGTCAACAGGTACAGT 2278
TGACAGGTGTGTACACTGCCAGAGAGTGGCTGGCAAAAAGATCAAAATGGGGCTGGGACTTTCATATGGCCAACCTGCCCTTCCCCAGAAGGAGTGTATTTCTATCGGCACAAAAGCAC 2397
TATATGGACTGGTAATGGTTACAGAGTTACAGAGATTACCCAGT GAGGCTTATTCCTCCCTTCCGCCCAAAACTGACACCTTTGTTAGCCACCTCCGCCACCATACATTTCTGCCAG 2516
TGTTCACAATGACACTACGGGTCA TGTCTGGACATGATGCCCAGGAAATATGCCCAAGCTATGCCCTTGCTCCCTTGTTGCCATTTCAGTGGGAGCTTGCAGTATTCGAGCTC 2635
CAGTTTCC TGCAGTGATCAGGGTCC TGC AAGCAGTGGGGAAGGGGCCAAGGTATTGAGGAGCTCCCTCCAGCTTTGGAAGGTCATCCGGTG TGTG TGTG TGTG TAGACA 2754
AGCTCTGGCTCTGTACCCAGGCTGGAGTGCAGTGGTGCATCA TGGTTCACTGTCAGTCTTGACCTTTTGGGCTCAAGTGATCTCCCACTTCAGCTTCCTGAGTAGCTGGGACCATAG 2873
GCTCACACACACCACTGGCAAAATTGATTTTTTTTTTTTTTTTTCAGAGACGGGTCTGGCAACATTGCCAGACTTCCTTTGTTAGTTAATAAAGCTTTCTCAACTGCCAAAAA 2992
AAAAAAAAAAAAAAAAAAAAAAAAAAAA 3' 3023



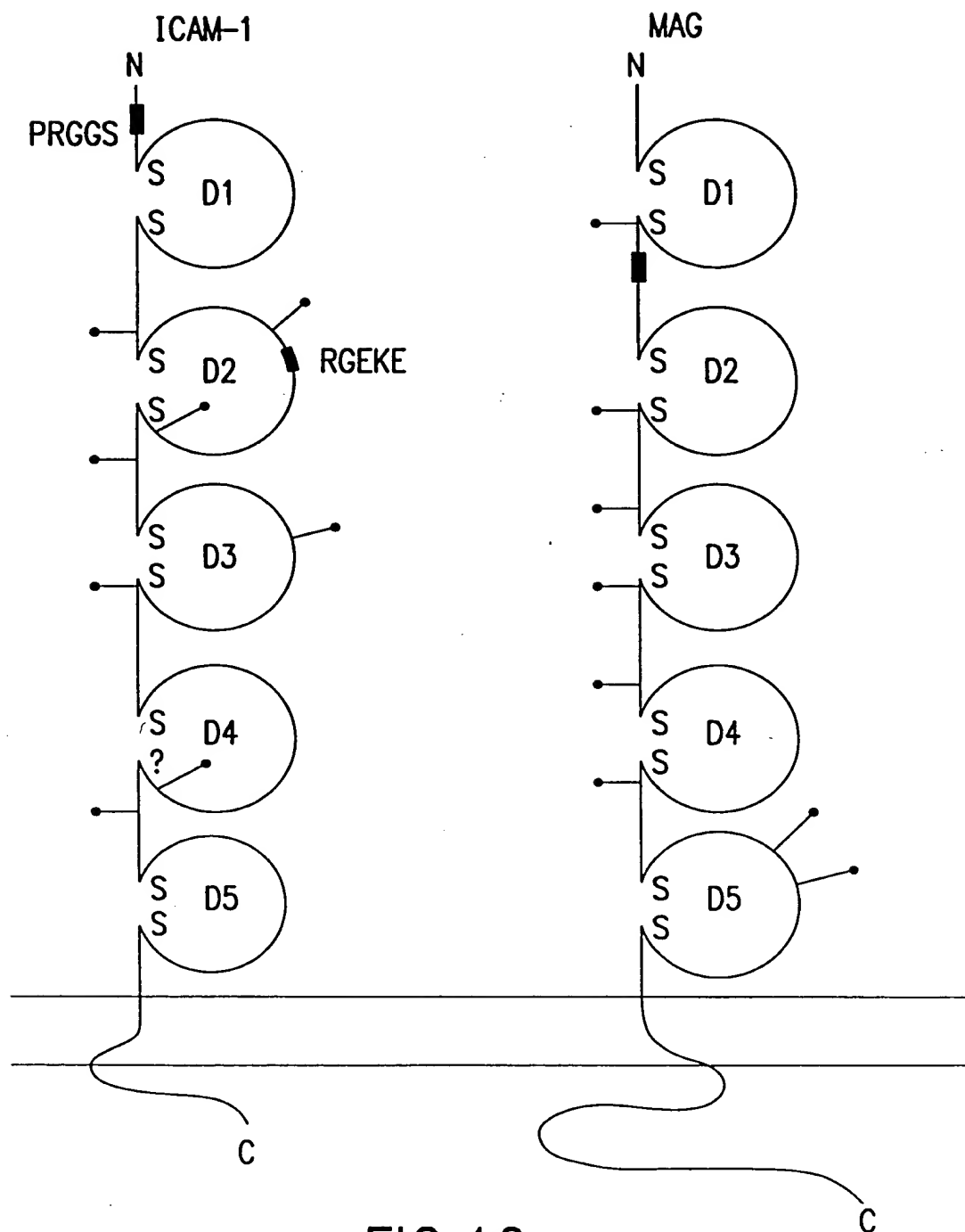


FIG.10

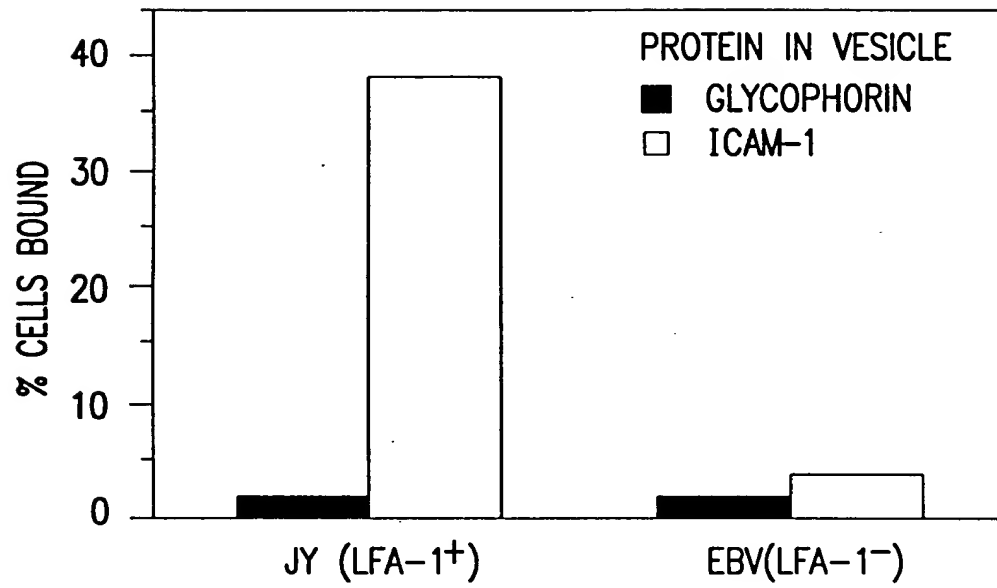
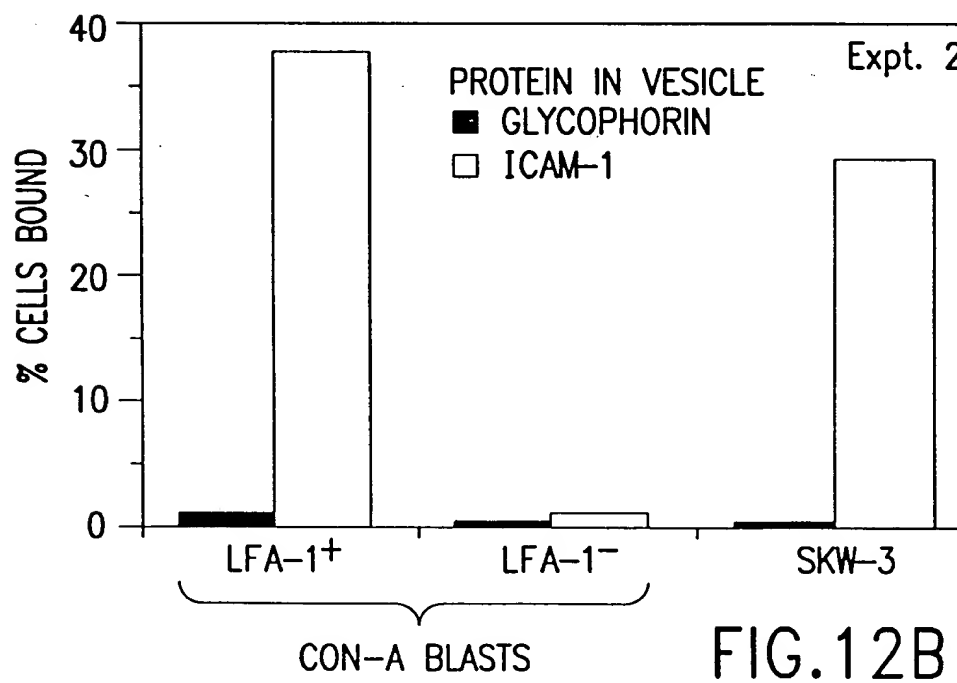
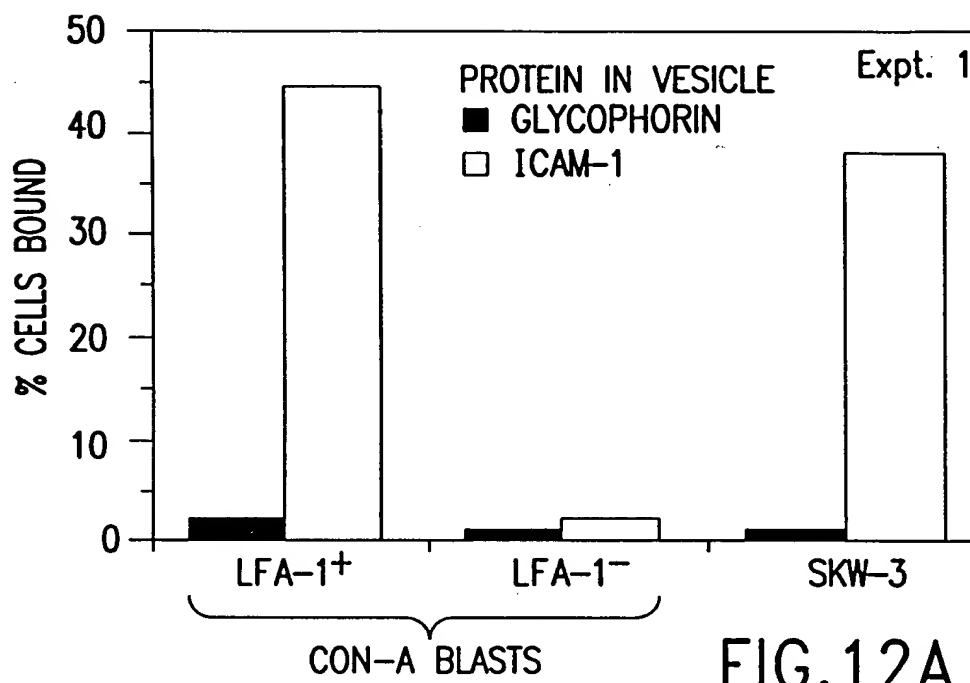


FIG.11



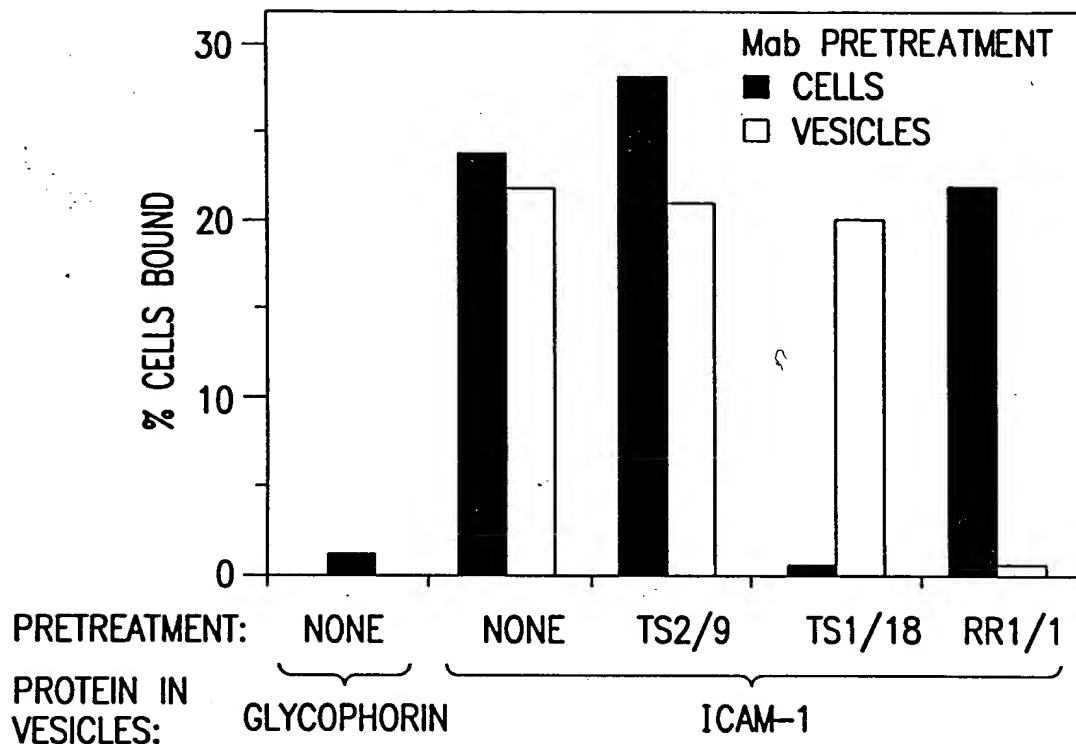


FIG.13

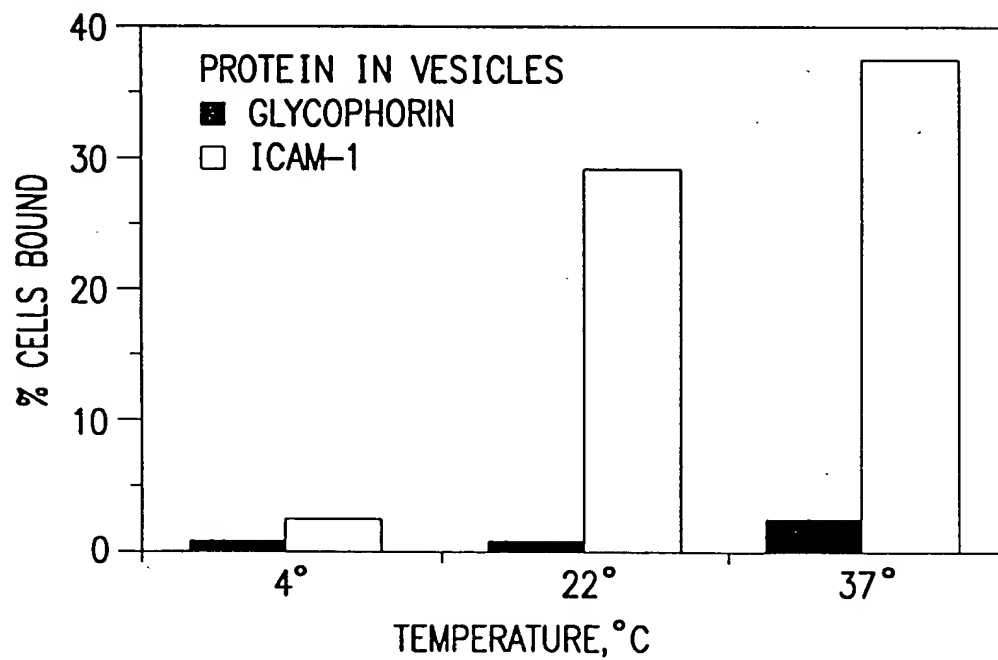


FIG.14

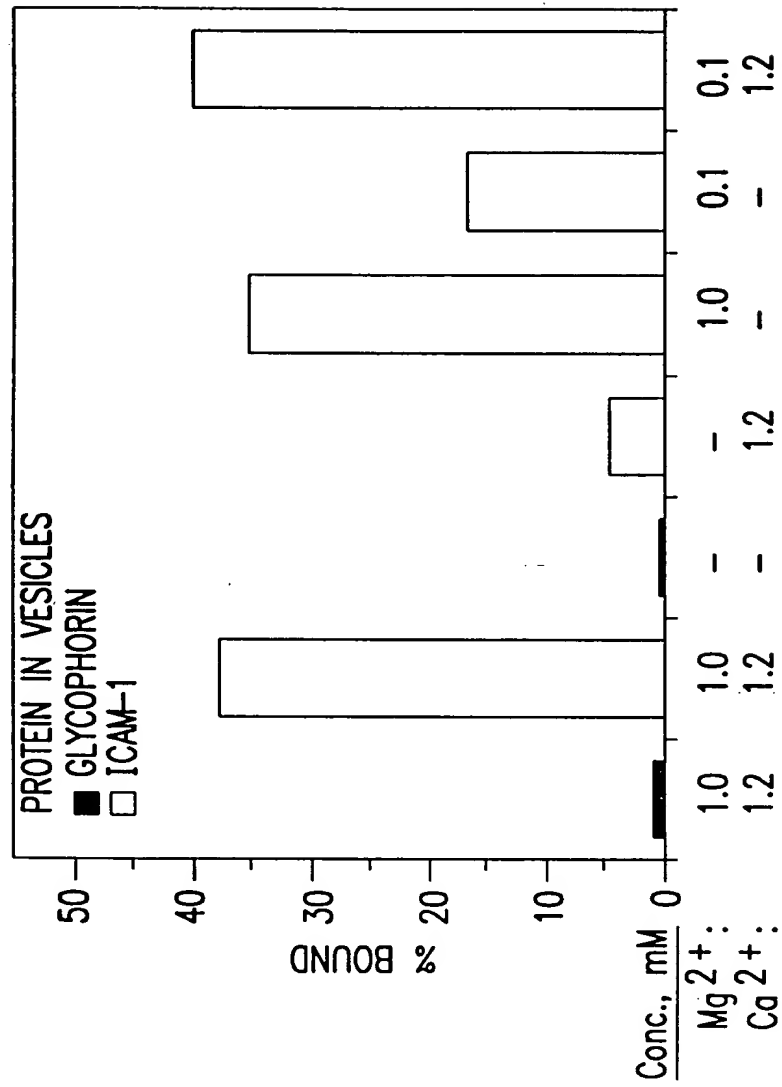


FIG.15

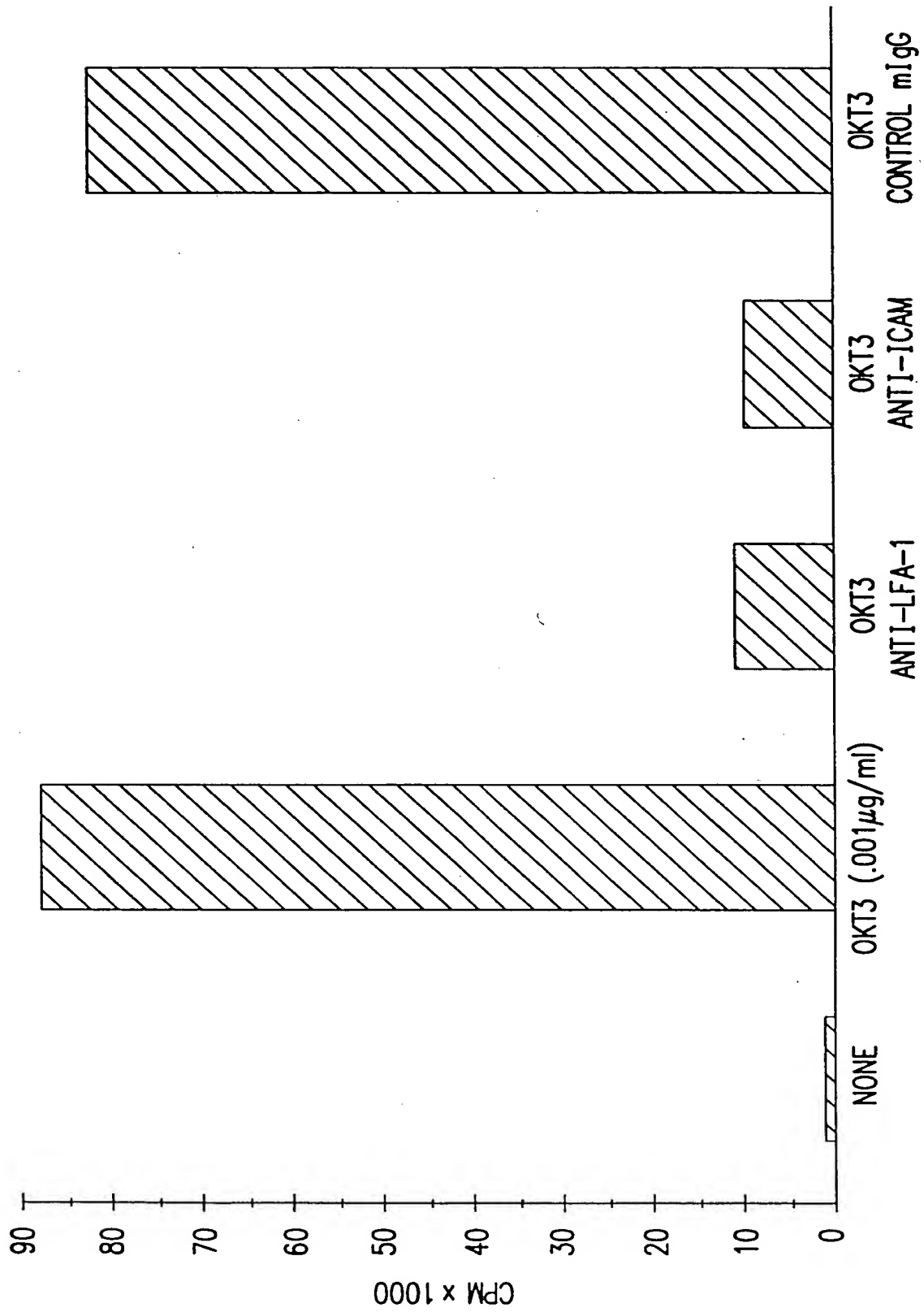


FIG.16

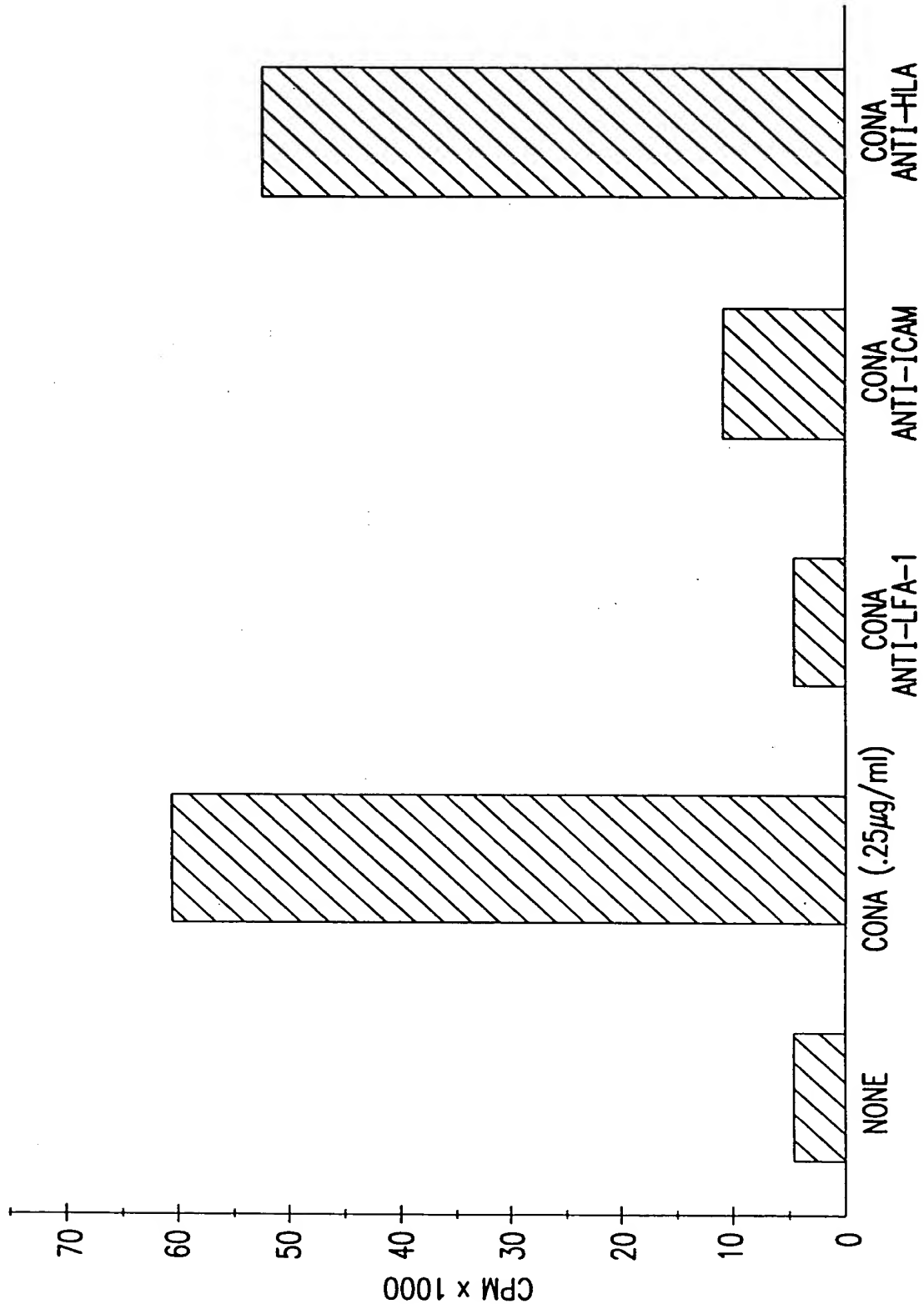


FIG.17

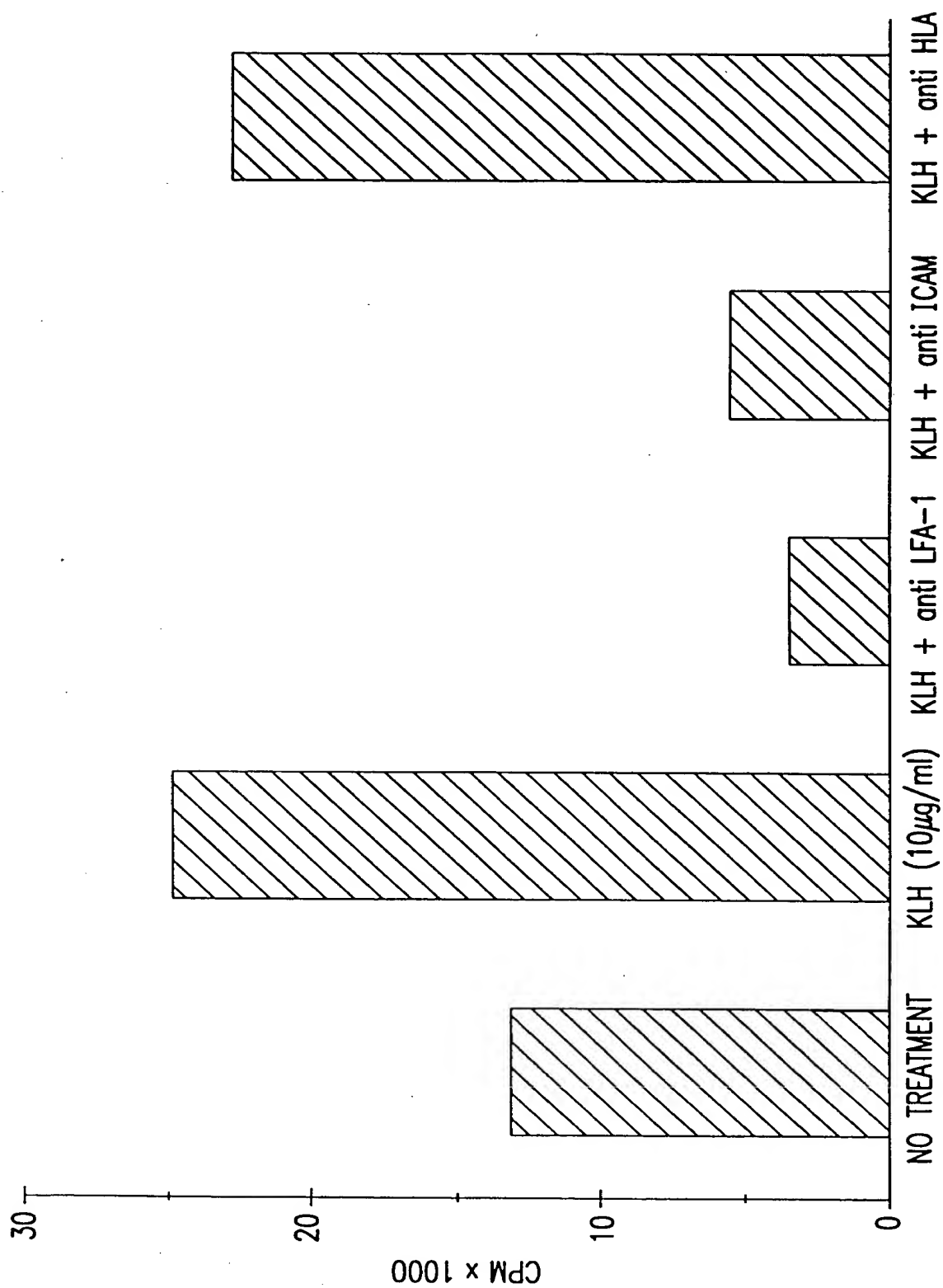


FIG.18

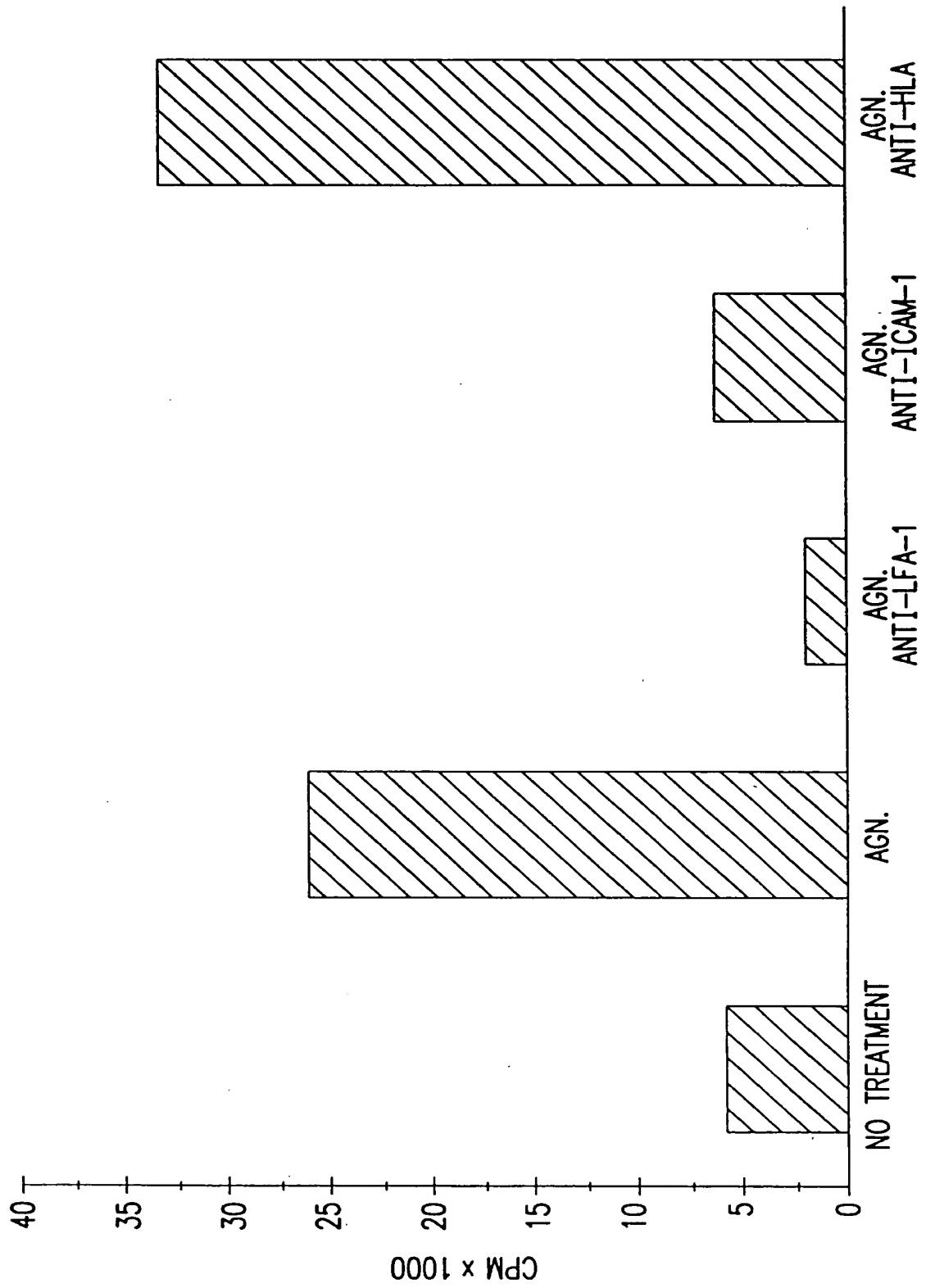


FIG.19

FIG. 20

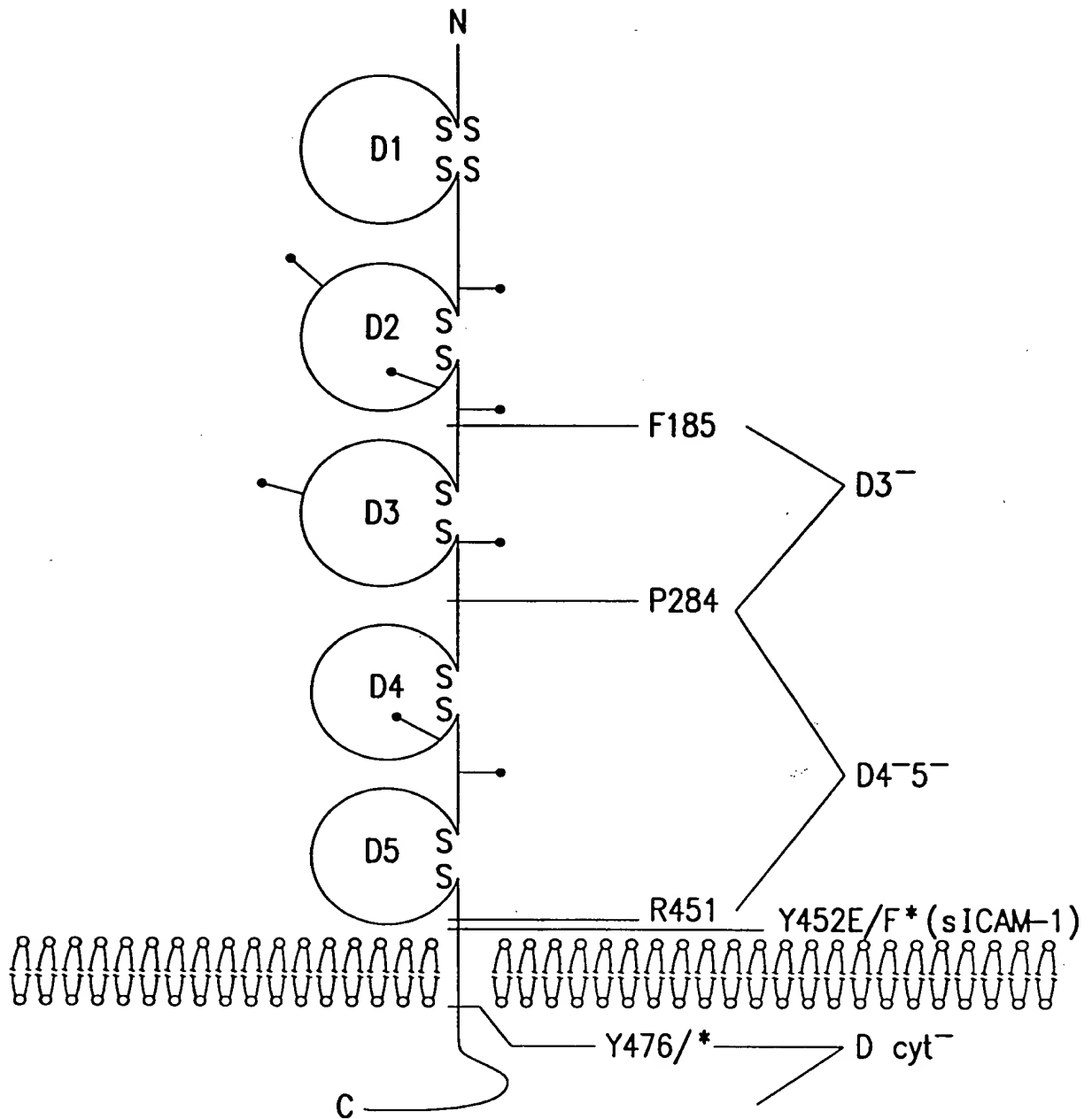


FIG.21

FIG.22A

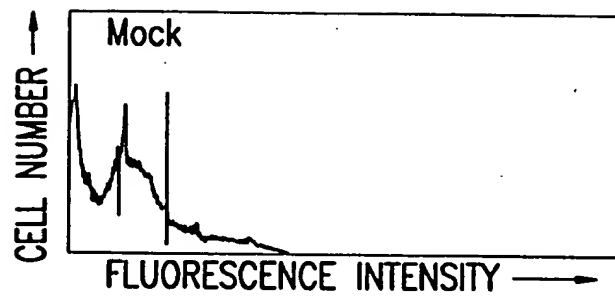


FIG.22B

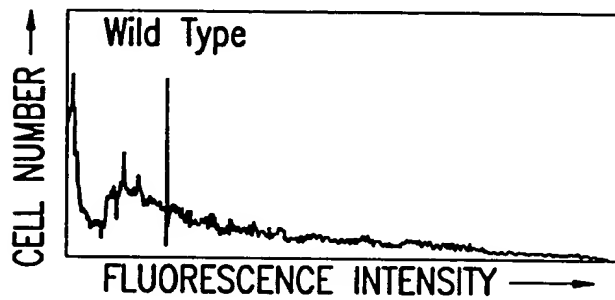


FIG.22C

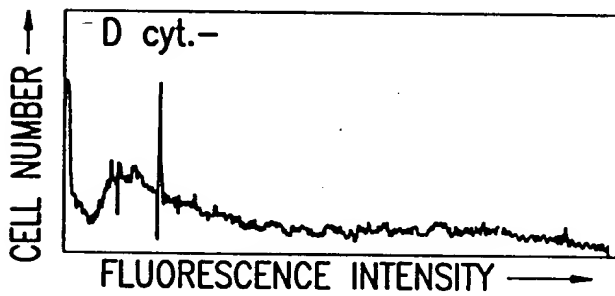


FIG.22D

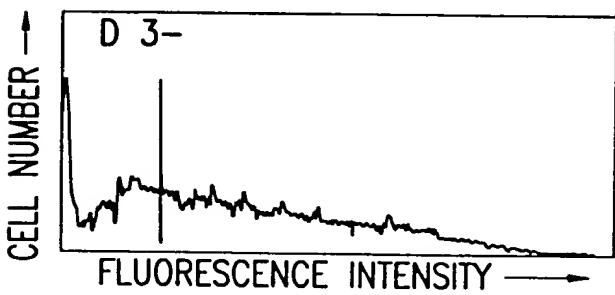
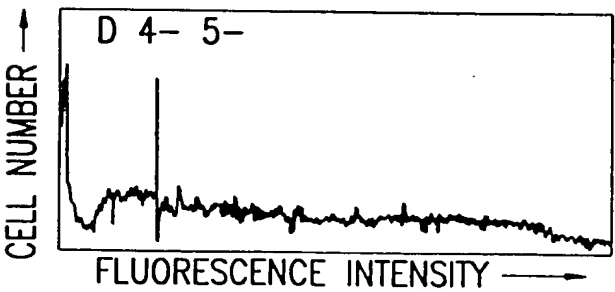


FIG.22E



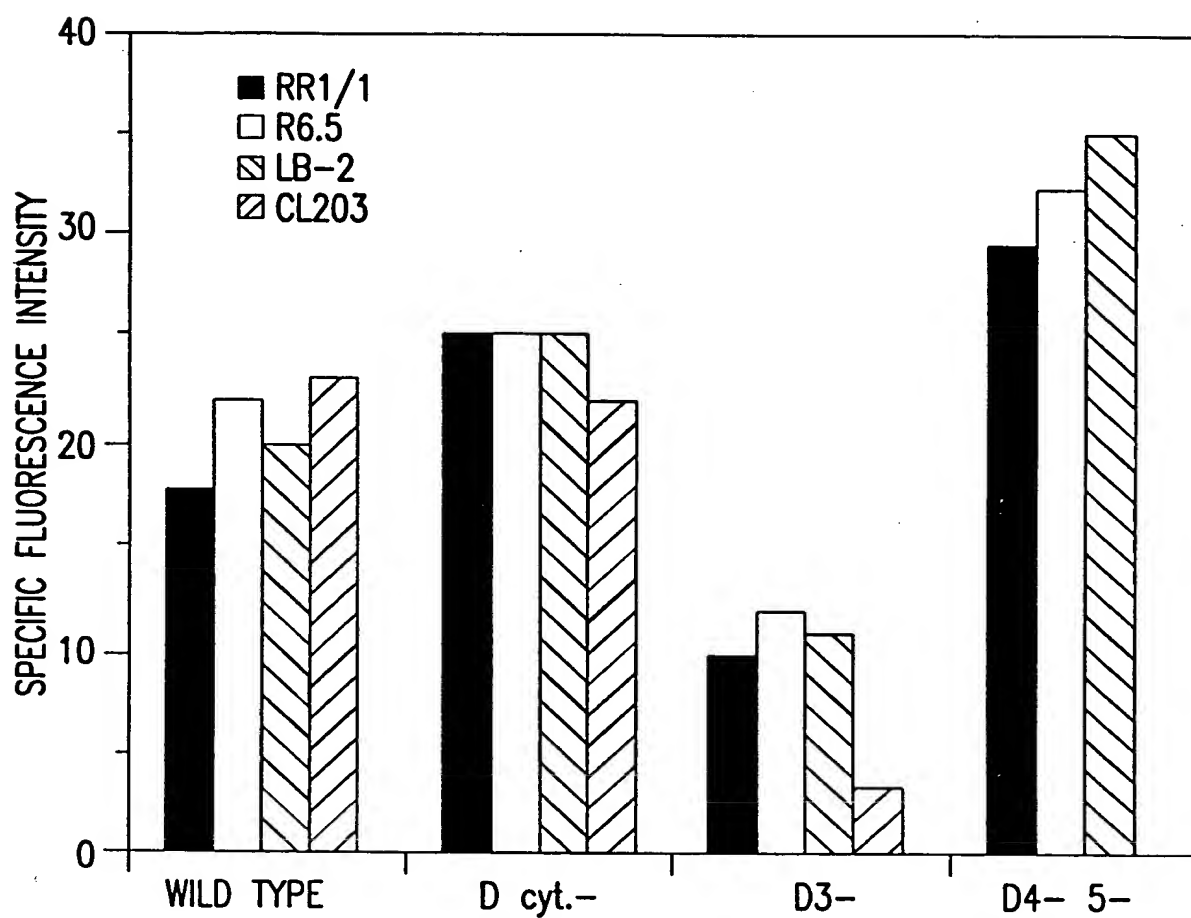


FIG.23

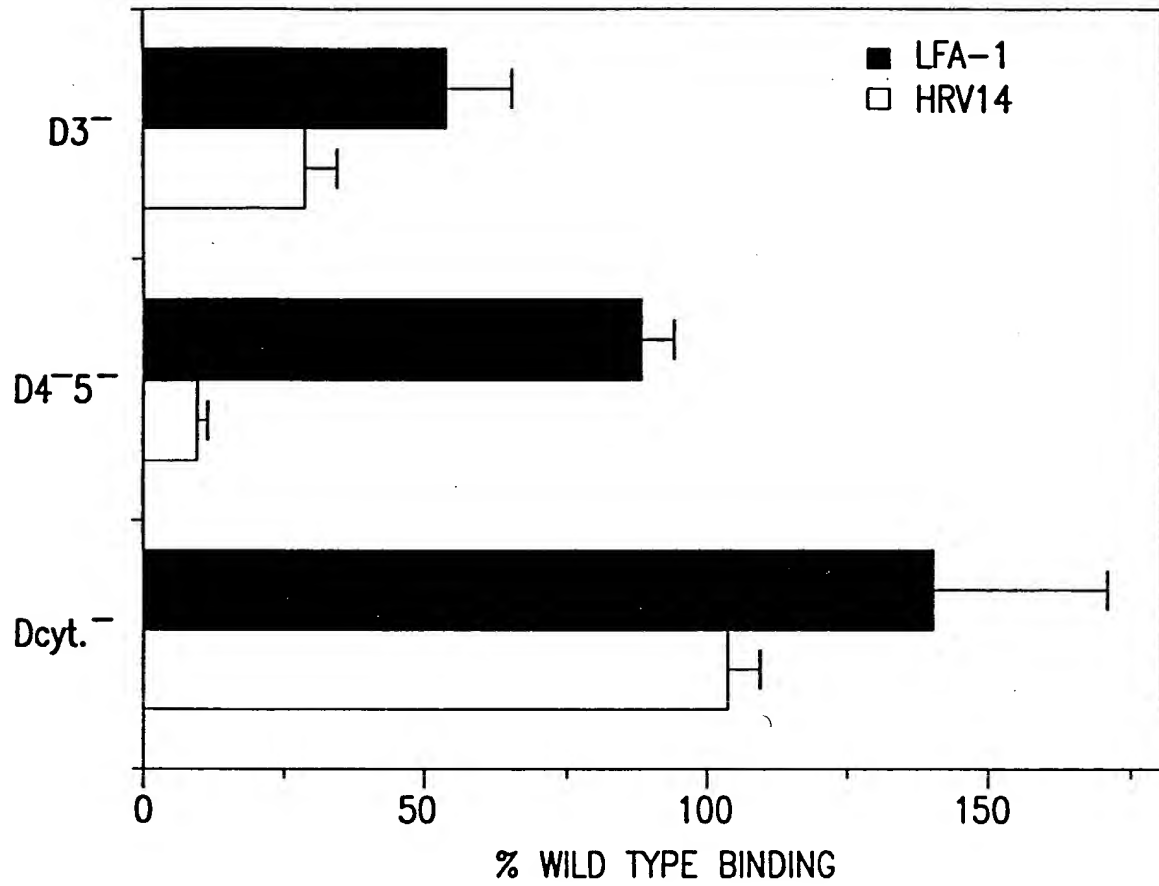


FIG.24

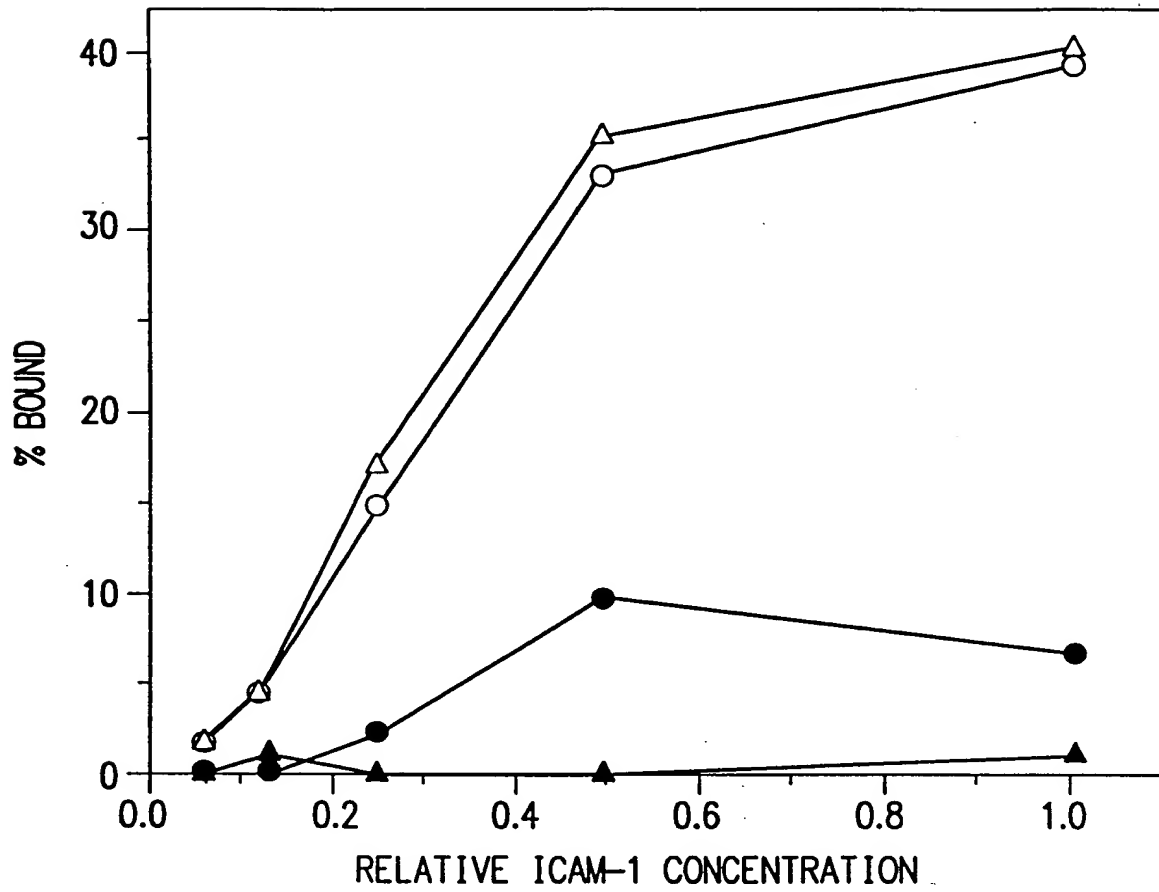


FIG.25

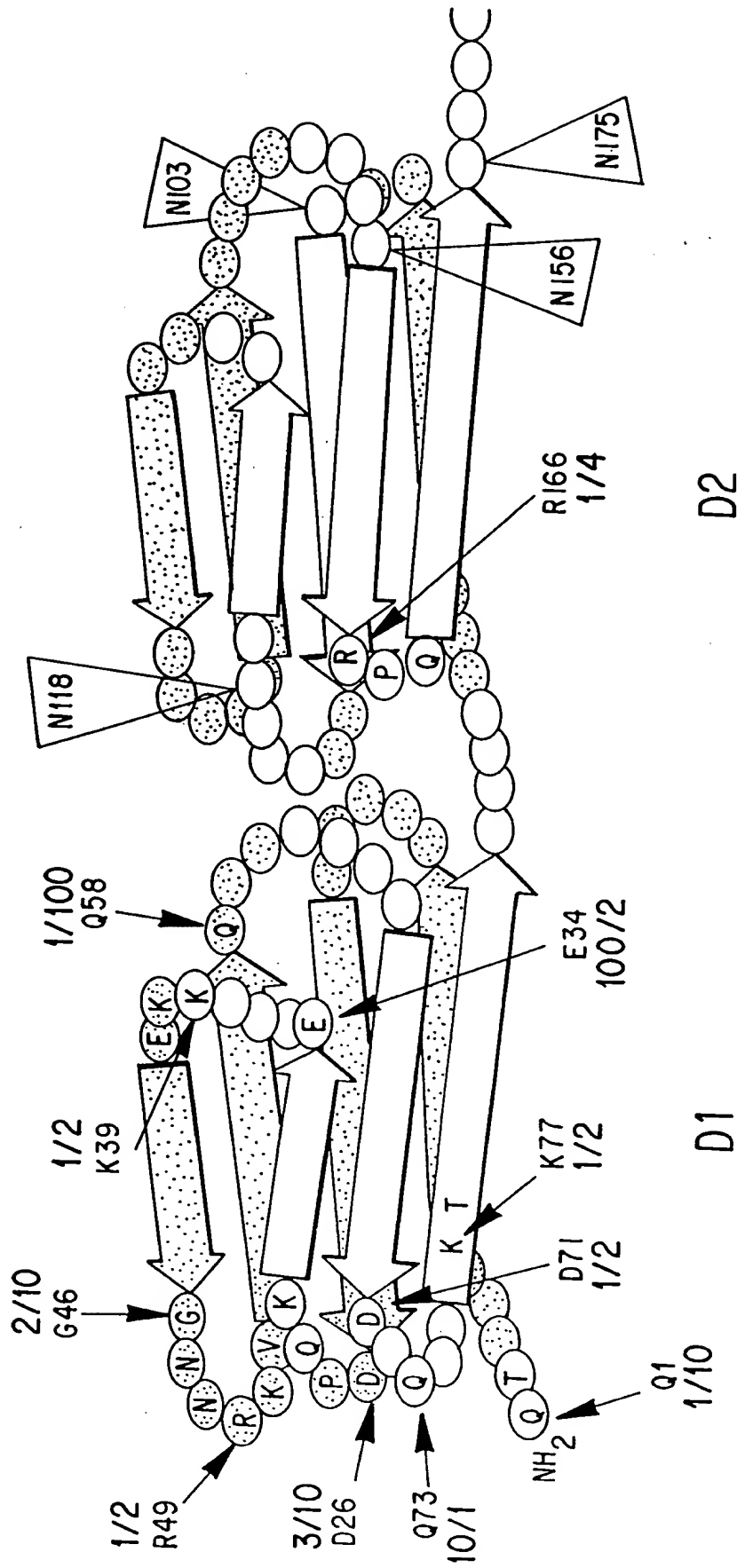


FIG. 26